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## What is Claimed is:

- 1. A bag product comprising:
  - (a) a flexible plastic bag having overlaying first and second layers of plastic film defining a top edge with a top opening, and a bottom edge opposed the top edge, the bottom edge being closed by a bottom edge weld; and
  - (b) a flexible plastic elongated tie strip having a first end and a second end, the first end being secured to the first layer of film adjacent the bag opening by an intermittent weld, wherein the intermittent weld further detachably secures the first layer of film to the second layer of film, the second end of the tie strip being secured to the bag by the bottom edge weld, the tie strip further having transversely extending perforations to enable a first portion including the first end of the tie strip to be separated from a second portion including the second end of the tie strip, whereby the first portion is secured adjacent the bag opening by the intermittent weld and is of sufficient length to wrap around and securely close the bag opening.
- 2. A bag product as claimed in claim 1 wherein the intermittent weld comprises at least one row of non-continuous welds, the length of the row being substantially the width of the tie strip.
  - 3. A bag product as claimed in Claim 1 or 2 wherein the intermittent weld comprises at least two staggered rows of non-continuous welds, each row comprising a plurality of gaps and welds, whereby the gaps of one row are adjacent the welds of the other row and vice versa.
  - 4. A bag product as claimed in any preceding claim wherein the bag comprises a plastic tubular film closed at the bottom by the bottom edge weld.

- 5. A bag product as claimed in any preceding claim wherein the tie strip is arranged substantially perpendicular to the bag opening.
- A bag product as claimed any preceding claim wherein the bag has at least one side gusset.
- A bag product as claimed in Claim 6 wherein the bag is made from a tubular plastic film which, prior to being closed by the bottom edge weld is folded inwards at one or both sides to form the at least one side gusset having four overlapping layers of plastic film at the side gusset area, wherein the tie strip is positioned in the gusset area, and the intermittent weld secures the first end of the tie strip to the first layer of plastic film and detachably secures the first layer to the second layer and may further detachably secure the second layer to the third layer and the third layer to the fourth layer of plastic film in the side gusset area.
- 15 8. A bag product as claimed in Claim 1, wherein the bag is formed from an open-ended tubular plastic film with closed opposed side edges, wherein prior to being closed by the bottom edge weld, the tubular plastic film is:
  - (i) folded inwards along both side edges such that both inwardly folded side edges touch or nearly touch each other; then
  - (ii) folded longitudinally lengthways along the point where the side edges touch or nearly touch each other to form eight overlaying layers of plastic film which are sealed together by the bottom edge weld;

whereby the intermittent weld secures the first end of the tie strip to the upper layer of plastic film adjacent the bag opening and detachably secures the upper layer to one or more of the other layers of plastic film.

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- 9. A bag product comprising:
  - (a) a flexible plastic bag having overlaying first and second layers of plastic film defining a top edge with a top opening, and a bottom edge opposed the top edge, the bottom edge being closed by a bottom edge weld; and
  - (b) a flexible plastic elongated tie strip, having a first end and a second end, the first end being secured to the bag adjacent the bag opening and the second end being secured to the bag by the bottom edge weld, the tie strip further having transversely extending perforations to enable a first portion including the first end of the tie strip to be separated from a second portion including the second end of the tie strip, whereby the first portion is secured adjacent the bag opening and is of sufficient length to wrap around and securely close the bag opening.
- 15 10. A bag product as claimed in Claim 9 wherein the bag comprises a plastic tubular film closed at the bottom by the bottom edge weld.
  - 11. A bag product as claimed in Claims 9 or 10, wherein the tie strip is arranged substantially perpendicular to the bag opening.
- 12. A bag product as claimed in any of Claims 9 to 11 wherein the bag has at least one side gusset.
  - 13. A bag product as claimed in Claim 9 wherein the bag is formed from an open-ended tubular plastic film with closed opposed side edges, wherein prior to being closed by the bottom edge weld the tubular plastic film is:
    - (i) folded inwards along both side edges such that both inwardly folded side edges touch or nearly touch each other; then
    - (ii) folded longitudinally lengthways along the point where the side edges touch or nearly touch each other to form eight

overlaying layers of plastic film which are sealed together by the bottom edge weld.

- 14. A bag product as claimed in any of Claims 9 to 13 wherein the first end of the tie strip is secured to the bag by an intermittent weld.
- 5 15. A bag product comprising:
  - (a) an open ended flexible plastic bag having overlaying first and second layers of plastic film; and
  - (b) a flexible plastic elongated tie strip;
- wherein an intermittent weld secures the tie strip to the first layer of plastic film and detachably secures the first layer of plastic film to the second layer of plastic film.
  - 16. A bag product as claimed in Claim 15 wherein the intermittent weld comprises at least one row of non-continuous welds, the length of the row being substantially the width of the tie strip.
- 15 17. A bag product as claimed in Claim 15 or 16 wherein the intermittent weld comprises at least two staggered rows of non-continuous welds, each row comprising a plurality of gaps and welds, whereby the gaps of one row are adjacent the welds of the other row and vice versa.
- 18. A bag product as claimed in any of Claims 15 to 17 wherein the intermittent weld secures one end of the tie strip adjacent the bag opening, and the other end of the tie strip is free and not attached to the bag and can be used to wrap around and securely close the bag opening.
- 19. A bag product as claimed in any of Claims 15 to 17 wherein the intermittent weld secures a first end of the tie strip adjacent the bag opening and a second end of the tie strip is detachably secured to the bag, whereby the second end of the tie strip can be detached from the bag and used to wrap around and securely close the bag opening.

- 20. A bag product as claimed in any of Claims 15 to 19 wherein the tie strip is arranged substantially perpendicular to the bag opening.
- 21. A bag product as claimed in any of Claims 15 to 20 wherein the bag has at least one side gusset.
- 5 22. A bag product as claimed in Claim 21 wherein the at least one side gusset comprises four overlapping layers of plastic film at the side gusset area, wherein the intermittent weld is positioned in the side gusset area and secures one end of the tie strip to the first layer of plastic film and further detachably secures the first layer to the second layer of plastic film and may further detachably secure the second layer to the third layer and the third layer to the fourth layer of plastic film in the side gusset area.
  - 23. A bag product as claimed in claim 15, wherein the bag is formed from an open-ended tubular plastic film with closed opposed side edges, wherein the tubular plastic film is:
    - (i) folded inwards along both side edges such that both inwardly folded side edges touch or nearly touch each other; then
    - (ii) folded longitudinally lengthways along the point where the side edges touch or nearly touch each other to form eight overlaying layers of plastic film which are sealed together by a bottom edge weld opposed the bag opening,

whereby the intermittent weld secures the tie strip to the upper layer of plastic film and detachably secures the upper layer to one or more of the other layers of plastic film.

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